



MATERIAL SAFETY DATA SHEET

(Approved by U.S. Department of Labor as "Essentially Similar" to Form OSHA-20)

MSDS AS 003

DATE 6/5/79

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I. PRODUCT IDENTIFICATION

CHEMICAL NAME AND SYNONYMS	N.A.	REGULAR TELEPHONE NO.	302-575-5000
CHEMICAL FAMILY	Amine cured epoxy/graphite	CHEMTREC TELEPHONE NO.	800-424-9300
FORMULA	N.A.	CAS NO.	N.A.
TRADE NAME AND SYNONYMS	3501-6/AS, HM or HT, Graphite/Epoxy Prepreg	MOLECULAR WEIGHT	N.A.

II. HAZARDOUS INGREDIENTS

MATERIAL	TLV-TWA VALUES ADOPTED BY ACGIH
Uncured multifunctional epoxy resins	Not established.

III. PHYSICAL DATA

BOILING POINT, 760 mm Hg	N.A.	FREEZING POINT	N.A.
VAPOR PRESSURE @	N.A.	SPECIFIC GRAVITY (H ₂ O=1)	2 1.493
VAPOR DENSITY (AIR=1)	N.A.	PERCENT VOLATILE BY VOLUME (%)	< 1%
SOLUBILITY IN WATER, % BY WEIGHT @	Negligible	EVAPORATION RATE (BUTYL ACETATE=1)	N.A.

APPEARANCE AND ODOR:

Resin impregnated graphite fiber on carrier paper. No odor.

IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (TEST METHOD)	Polymerizes below flash point.	AUTOIGNITION TEMPERATURE	N.A. See Section VI
FLAMMABLE LIMITS IN AIR PERCENT BY VOLUME	LOWER N.A.	UPPER	N.A.

EXTINGUISHING MEDIA:

Carbon dioxide, dry chemical, water.

SPECIAL FIRE-FIGHTING PROCEDURES:

Use self-contained breathing apparatus or fresh air mask.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

N.A.

NOTES: NA = NOT APPLICABLE

N.A.

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V. HEALTH HAZARD DATA**THRESHOLD LIMIT VALUE:**

Not established.

EFFECTS OF OVEREXPOSURE:

Possible skin sensitization to personnel allergic to epoxy compounds.

EMERGENCY AND FIRST AID PROCEDURES:

Skin: Remove from exposure. Wash thoroughly with soap and water. If allergy persists, get medical attention.

VI. REACTIVITY DATA**STABILITY**

UNSTABLE

STABLE

X

CONDITIONS TO AVOID:

Slow reaction at room temperature.

Avoid high temperatures in large confined volume of product.

INCOMPATIBILITY (MATERIALS TO AVOID):

Strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS:

Oxides of nitrogen. Carbon and Sulfur.

HAZARDOUS

MAY OCCUR

X

CONDITIONS TO AVOID:

POLYMERIZATION

WILL NOT OCCUR

Temperature > 275°F

VII. SPILL OR LEAK PROCEDURES**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:**

Place in sealed plastic bags for disposal.

WASTE DISPOSAL METHOD:

Do not incinerate. Dispose of in accordance with Federal, State, and local laws and regulations.

VIII. SPECIAL PROTECTION INFORMATION**RESPIRATORY PROTECTION
(SPECIFY TYPE)**

Not needed for normal use.

VENTILATION

LOCAL EXHAUST

--

SPECIAL

--

MECHANICAL
(GENERAL)

--

OTHER

Adequate ventilation.

PROTECTIVE GLOVES:

Recommended

EYE PROTECTION:**OTHER PROTECTIVE EQUIPMENT:**

None

IX. SPECIAL PRECAUTIONS**PRECAUTIONARY LABELING:**

WARNING: MAY CAUSE MINOR SKIN IRRITATION. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling.

FIRST AID: Remove from exposure. Wash thoroughly with soap and water. If allergy persists, get medical attention.

This product is electrically conductive.

OTHER HANDLING AND STORAGE CONDITIONS:

Store at or below 00°F in sealed containers for maximum stability. DO NOT INCINERATE.